Andrade, A A

List of Publications by Year
in descending order

81	1,422	331642	361001
papers	citations	21 h-index	35 g-index

81	81	81	1115
all docs	docs citations	times ranked	citing authors

#	Article	IF	Citations
1	Thermal lens and Z-scan measurements: Thermal and optical properties of laser glasses â€“ A review. Journal of Non-Crystalline Solids, 2006, 352, 3582-3597.	3.1	141
2	Absolute thermal lens method to determine fluorescence quantum efficiency and concentration quenching of solids. Physical Review B, 1998, 57, 10545-10549.	3.2	116
3	Z-scan measurements using femtosecond continuum generation. Optics Express, 2004, 12, 3921.	3.4	55
4	Multiwavelength thermal lens determination of fluorescence quantum efficiency of solids: Application to Nd3+-doped fluoride glass. Applied Physics Letters, 2001, 78, 3220-3222.	3.3	54
5	Nonlinear Absorption Spectrum in MEH-PPV/Chloroform Solution:Â A Competition between Two-Photon and Saturated Absorption Processes. Journal of Physical Chemistry B, 2004, 108, 5221-5224.	2.6	51
6	Thermal properties measurements in biodiesel oils using photothermal techniques. Chemical Physics Letters, 2005, 411, 18-22.	2.6	46
7	Discrimination between electronic and thermal contributions to the nonlinear refractive index of SrAlF_5:Cr^+3. Journal of the Optical Society of America B: Optical Physics, 1999, 16, 395.	2.1	45
8	Thermal lens determination of the temperature coefficient of optical path length in optical materials. Review of Scientific Instruments, 2003, 74, 877-880.	1.3	44
9	Thermal lens spectroscopy of Nd:YAG. Applied Physics Letters, 2005, 86, 034104.	3.3	43
10	Eu3+ photoluminescence enhancement due to thermal energy transfer in Eu2O3-doped SiO2â€“B2O3â€“PbO2 glasses system. Journal of Luminescence, 2011, 131, 850-855.	3.1	43
11	Two-photon induced anisotropy in PMMA film doped with Disperse Red 13. Optics Communications, 2007, 273, 435-440.	2.1	42
12	Neodymium concentration dependence of thermoâ€”optical properties in low silica calcium aluminate glasses. Journal of Non-Crystalline Solids, 1997, 219, 165-169.	3.1	38
13	Upconversion effect on fluorescence quantum efficiency and heat generation in Nd3+-doped materials. Optics Express, 2005, 13, 2040.	3.4	37
14	Two-photon absorption investigation in reduced and oxidized cytochrome c solutions. Chemical Physics Letters, 2004, 390, 506-510.	2.6	34
15	Two-photon absorption in diazobenzene compounds. Optical Materials, 2004, 27, 441-444.	3.6	30
16	Photoinduced birefringence in di-azo compounds in polystyrene and poly(methyl methacrylate) guestâ€“host systems. Optical Materials, 2007, 30, 216-221.	3.6	28
17	Fluorescence quantum efficiency dependent on the concentration of Nd3+ doped phosphate glass. Chemical Physics Letters, 2012, 547, 38-41.	2.6	28
18	Thermal and optical properties of chalcohalide glass. Journal of Non-Crystalline Solids, 2001, 284, 203-209.	3.1	27

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19	High Quantum Efficiency of Nd3+ Ions in a Phosphate Glass System using the Juddâ€“Ofelt Theory. Brazilian Journal of Physics, 2013, 43, 230-238.	1.4	27
20	Electronic and thermal contributions to the non-linear refractive index of Nd3+ ion-doped fluoride glasses. Journal of Non-Crystalline Solids, 2000, 273, 257-265.	3.1	22
21	Thermal lens measurements of fluorescence quantum efficiency in Nd3+-doped fluoride glasses. Journal of Non-Crystalline Solids, 2001, 284, 255-260.	3.1	22
22	Energy transfer upconversion determination by thermal-lens and Z-scan techniques in Nd^3+-doped laser materials. Journal of the Optical Society of America B: Optical Physics, 2009, 26, 1002.	2.1	21
23	Thermo-optical properties of Nd3+ doped phosphate glass determined by thermal lens and lifetime measurements. Journal of Luminescence, 2015, 162, 104-107.	3.1	20
24	Fluorescence quantum efficiency of CdSe/CdS magic-sized quantum dots functionalized with carboxyl or hydroxyl groups. Chemical Physics Letters, 2013, 580, 130-134.	2.6	19
25	Spectroscopic and photothermal characterization of annatto: Applications in functional foods. Dyes and Pigments, 2014, 110, 72-79.	3.7	19
26	Simultaneous measurement of thermo-optic and thermal expansion coefficients with a single arm double interferometer. Optics Express, 2017, 25, 313.	3.4	19
27	Effects of aluminum substitution by potassium in the P2O5â€“Al2O3â€“Na2Oâ€“K2O phosphate glasses. Journal of Alloys and Compounds, 2020, 815, 152359.	5.5	18
28	Time-resolved study of thermal and electronic nonlinearities in Nd+3 doped fluoride glasses. Electronics Letters, 1998, 34, 117.	1.0	16
29	Fluorescence quantum efficiency measurements using the thermal lens technique. Review of Scientific Instruments, 2003, 74, 857-859.	1.3	15
30	Thermal-lens and photo-acoustic methods for the determination of SiC thermal properties. Microelectronics Journal, 2005, 36, 977-980.	2.0	15
31	Study on the observation of Eu²⁺and Eu³⁺valence states in low silica calcium aluminosilicate glasses. Journal of Physics Condensed Matter, 2010, 22, 055601.	1.8	15
32	Two-photon absorption spectrum in diazoaromatic compounds. Chemical Physics Letters, 2008, 463, 360-363.	2.6	14
33	Temperature-dependence on the lifetime of Nd3+-doped phosphate glass. Journal of Luminescence, 2020, 219, 116901.	3.1	14
34	Interdot carrier transfer in semimagnetic Pb1â^'xMnxSe nanocrystals embedded in oxide glass. Journal of Luminescence, 2010, 130, 2118-2122.	3.1	13
35	Very low optical absorptions and analyte concentrations in water measured by Optimized Thermal Lens Spectrometry. Talanta, 2011, 85, 850-858.	5.5	13
36	Upconversion in Nd3+-doped glasses: Microscopic theory and spectroscopic measurements. Journal of Applied Physics, 2008, 103, 023103.	2.5	12

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37	Self-Induced Phase Modulation for Thermo-Optical Characterization of Annatto Extracted Using Different Solvents. Applied Spectroscopy, 2011, 65, 1393-1397.	2.2	11
38	Spatial and temporal observation of energy transfer processes in Pr-doped phosphate glasses. Optical Materials, 2014, 37, 387-390.	3.6	11
39	Study of the optical and structural properties of the phosphate glass doped with CdS nanocrystals and co-doped with Nd3+ ions. Journal of Alloys and Compounds, 2021, 864, 158126.	5.5	11
40	High fluorescence quantum efficiency of CdSe/ZnS quantum dots embedded in GPTS/TEOS-derived organic/silica hybrid colloids. Chemical Physics Letters, 2014, 599, 63-67.	2.6	10
41	Luminescence quantum efficiency investigation of low silica calcium aluminosilicate glasses doped with Eu2O3 by thermal lens spectrometry. Journal of Non-Crystalline Solids, 2006, 352, 3624-3627.	3.1	9
42	Preparation of Polyaminopyridines Using a CuI/l-Proline-Catalyzed C-N Polycoupling Reaction. Materials, 2012, 5, 2176-2189.	2.9	9
43	Evidence of phase transition in Nd³⁺doped phosphate glass determined by thermal lens spectrometry. Physical Chemistry Chemical Physics, 2014, 16, 1583-1589.	2.8	9
44	Fluorescence quantum yield of natural dye extracted from Tradescantia pallida purpurea as a function of the seasons: Preliminary bioapplication as a fungicide probe for necrotrophic fungi. Journal of Photochemistry and Photobiology B: Biology, 2019, 200, 111631.	3.8	9
45	Morphological and structural characteristics of diazo dyes at the airâ€“water interface: in situ Brewster angle microscopy and polarized UV/vis analysis. Journal of Colloid and Interface Science, 2005, 283, 464-471.	9.4	8
46	Thermal window of constant luminescence quantum efficiency of Nd3+-doped phosphate glass. Journal of Luminescence, 2016, 180, 81-87.	3.1	8
47	Preliminary spectroscopic and thermo-optical characterization of anthocyanin unpurified crude extracted from Tradescantia Pallida Purpurea. Dyes and Pigments, 2016, 135, 57-63.	3.7	7
48	Fluorescence quantum yield determination of molecules in liquids by thermally driven conical diffraction. Journal of Luminescence, 2018, 197, 175-179.	3.1	7
49	Athermal behavior of a phosphate glass matrix at low temperatures investigated by interferometry. Journal of Alloys and Compounds, 2019, 776, 826-832.	5.5	7
50	Excited-state absorption in oxidized cytochrome c solution. Applied Physics B: Lasers and Optics, 2004, 79, 751-754.	2.2	6
51	Thermal lens investigation in amorphous SiN. Applied Surface Science, 2008, 255, 698-700.	6.1	6
52	Excited-state absorption spectroscopy in oxidized Cytochrome c. Optical Materials, 2010, 32, 526-529.	3.6	6
53	Study of the nonlinear optical properties of CdS quantum dots in phosphate glass. Optical Engineering, 2017, 56, 121909.	1.0	6
54	Spectroscopic and thermal characterization in poly(p-phenylene vinylene)/solâ€“gel silica sample. Optical Materials, 2003, 24, 483-489.	3.6	5

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55	Evaluation of thermo-optical properties of poly(2-methoxyaniline) solutions. Chemical Physics Letters, 2007, 442, 400-404.	2.6	5
56	Efficient energy transfer mediated by intrinsic SiO2 nanocrystals in Eu+3-doped lead borosilicate glasses. Materials Chemistry and Physics, 2013, 139, 471-477.	4.0	5
57	Thermo-Optical Characterization of Cadmium Selenide/Zinc Sulfide (CdSe/ZnS) Quantum Dots Embedded in Biocompatible Materials. Applied Spectroscopy, 2013, 67, 997-1002.	2.2	5
58	Nd:YAG optical electronic nonlinearity and energy transfer upconversion studied by the Z-scan technique. Optical Materials Express, 2015, 5, 2588.	3.0	5
59	Determination of the energy transfer efficiency between CdSe/ZnS quantum dots with two different sizes through a photothermal approach. Journal of Luminescence, 2018, 198, 198-202.	3.1	5
60	Dependence of the saturation intensity with the dopant ion concentration: Application to the study of nonlinear optical properties in Nd-doped phosphate glass matrix. Journal of Luminescence, 2019, 207, 374-377.	3.1	5
61	High Quantum Efficiency of Er3+ ions in Phosphate Glasses: Controlled Atmosphere and Addition of Fluoride. Journal of Luminescence, 2020, 228, 117599.	3.1	5
62	Effect of the OH Groups on Spectroscopic Parameters of the Er3+-Doped Glasses. Brazilian Journal of Physics, 2020, 50, 410-418.	1.4	5
63	Fluorescence quantum yields and lifetimes of annatto aqueous solutions dependent on hydrogen potential: Applications in adulterated milk. Journal of Photochemistry and Photobiology, 2021, 8, 100080.	2.5	4
64	High photoluminescence quantum efficiency in near infrared of CdS nanocrystals in glass phosphate matrix. Journal of Luminescence, 2022, 249, 118956.	3.1	4
65	A photothermal study on chromium doped low silica calcium aluminate glass. Chemical Physics Letters, 2008, 459, 175-179.	2.6	3
66	Optical characterization of coreâ€“shell quantum dots embedded in synthetic saliva: Temporal dynamics. Journal of Photochemistry and Photobiology B: Biology, 2015, 151, 208-212.	3.8	3
67	<title>Refractive index changes in solid-state laser materials</title>. , 2006, , .		2
68	Study of the nonlinear optical properties of CdS quantum dots in phosphate glass. Proceedings of SPIE, 2017, , .	0.8	2
69	Thermal Lens Technique for the Determination of SiC Thermo-Optical Properties. Materials Science Forum, 2006, 527-529, 703-706.	0.3	1
70	Synthesis and optical characterization of poly(styrene sulphonate) films doped with neodymium (III) and co-doped with chromium (III). Journal of Non-Crystalline Solids, 2010, 356, 2414-2416.	3.1	1
71	Synthesis optimization of guest/host poly(styrene sulphonate) doped neodymium (III) films. Journal of Non-Crystalline Solids, 2017, 456, 1-6.	3.1	1
72	<title>Auger upconversion process in Cr<formula>^{<roman>3+</roman>}</formula>and Nd<formula>^{<roman>3+</roman>}</formula>doped solids</title>. , 2001, , .		0

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73	Determination of Auger upconversion coefficient in Nd3+doped solids by thermal lens technique. , 2003, 4829, 825.		0
74	Study of temperature dependence of the optical path length in ion doped solids. , 2003, 4829, 539.		0
75	Determination fluorescence quantum efficiency of Nd3+doped glasses and crystal by thermal lens technique in function of the wavelength. , 2003, 4829, 823.		0
76	Energy transfer in mixtures of quantum dots of different sizes studied by thermal lens technique. Proceedings of SPIE, 2013, , .	0.8	0
77	Thermo-optical properties of magic-sized quantum dots in aqueous solutions. Proceedings of SPIE, 2013, , .	0.8	0
78	Fluorescence quantum efficiency dependent on the concentration of Nd3+doped phosphate glass. , 2013, , .		0
79	Spectroscopic and photothermal characterization Er-doped phosphate glass. , 2017, , .		0
80	Determination of nonlinear optical properties by time resolved Z-scan in Nd-doped phosphate glass. , 2017, , .		0
81	Study of the thermal-optics parameters of Nd³⁺-doped phosphate glass as a function of temperature. Proceedings of SPIE, 2017, , .	0.8	0